





-300

COUPLE AN ISOLATION TRANSFORMER OF A PRE-CHARGE CIRCUIT OF A CONVERTER SYSTEM TO A -302 **UTILITY GRID** GENERATE A RECTIFIED VOLTAGE AT AN OUTPUT OF A RECTIFIER OF THE PRE-CHARGE CIRCUIT -304 SUPPLY RECTIFIED VOLTAGE FROM THE RECTIFIER OF THE PRE-CHARGE CIRCUIT TO A CAPACITOR COUPLED ACROSS A DC BUS OF THE CONVERTER -306 SYSTEM WHEN A CONTACTOR OF THE CONVERTER SYSTEM IS IN AN OPEN POSITION SUPPLY RECTIFIED VOLTAGE FROM THE RECTIFIER OF THE PRE-CHARGE CIRCUIT TO A CONTROL POWER SUPPLY OF THE CONVERTER SYSTEM WHEN THE -308 CONTACTOR OF THE CONVERTER SYSTEM IS IN AN OPEN POSITION

FIG. 3